



## Effects of climatic temperature stress on cardiovascular diseases

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### Abstract:

The climatic stress was anticipated to increase direct and indirect risks to human health via different pathways and mechanisms. Extremely high air temperature might trigger the onset of cardiovascular events in the vulnerable. Cold-related mortality was much less understood than heat-related one, and was considered another climatic example of the effects on the human health. Increases in mortality with cardiovascular diseases in extreme heat and cold weather had been studied in many regions. These results suggested that people died rapidly from climate-change related cardiovascular diseases before they were sent to hospital. Obviously, these findings reminded us that climatic stress can be considered as a new potential risk factor of sudden cardiovascular events in human health, and there was an urgent need for large-scale, prospective, community-based and international study of sudden cardiovascular events to explore deeply the risk factors to schedule preventive strategies.

**Source:** <http://dx.doi.org/10.1016/j.ejim.2010.03.001>

### Resource Description

#### Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

#### Communication Audience: ☒

audience to whom the resource is directed

Researcher

#### Exposure : ☒

weather or climate related pathway by which climate change affects health

Temperature

**Temperature:** Extreme Cold, Extreme Heat

#### Geographic Feature: ☒

resource focuses on specific type of geography

# Climate Change and Human Health Literature Portal

None or Unspecified

## **Geographic Location:**

resource focuses on specific location

Global or Unspecified

## **Health Impact:**

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Injury

## **Intervention:**

strategy to prepare for or reduce the impact of climate change on health

A focus of content

## **Mitigation/Adaptation:**

mitigation or adaptation strategy is a focus of resource

Adaptation

## **Population of Concern:** A focus of content

## **Population of Concern:**

populations at particular risk or vulnerability to climate change impacts

Elderly

## **Resource Type:**

format or standard characteristic of resource

Review

## **Timescale:**

time period studied

Time Scale Unspecified